## IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An information processing apparatus for detecting inter-track boundaries, comprising:

means for generating noise-eliminated audio data by eliminating noise from audio data generated by digitally converting analog audio signals of a plurality of tracks, the plurality of tracks having inter-track boundaries that are silent;

means for detecting presumed inter-track boundaries presumed to be said inter-track boundaries of said plurality of tracks, based on ~~first~~ portions of said noise-eliminated audio data, the ~~first~~ portions having signal levels lower than a predetermined level threshold value; [[,]]

means for judging whether a number of presumed tracks is less than a number of said plurality of tracks, and for specifying said inter-track boundaries from said presumed inter-track boundaries, based on inter-track boundaries specifying information including said number of said plurality of tracks, wherein

said means for detecting detects said inter-track boundaries of said plurality of tracks, based on ~~second portions of said noise-eliminated audio data, when a number of presumed tracks is smaller than said number of tracks, the second portions having signal levels lower than~~ an other level threshold value greater than said predetermined level threshold value, when the means for judging judges that said number of presumed tracks is less than said number of said plurality of tracks, the presumed tracks being tracks divided by said presumed inter-track boundaries; ~~and means for specifying said inter-track boundaries from said presumed inter-track boundaries, based on inter-track boundaries specifying information including a number of tracks of said plurality of tracks.~~

2. (Currently Amended) The information processing apparatus according to Claim 1, wherein said means for ~~specifying~~ judging specifies, as said inter-track boundaries, said presumed inter-track boundaries in between the presumed tracks, the presumed tracks having presumed track playing times longer than a shortest playing time among playing times of [[the]] said plurality of tracks and shorter than a longest playing time among the playing times of [[the]] said plurality of tracks, said inter-track boundaries specifying information including the shortest playing time and the longest playing time.


3. (Currently Amended) The information processing apparatus according to Claim 1, wherein said means for ~~specifying~~ judging presumes said presumed inter-track boundaries as said inter-track boundaries based on errors between [[the]] presumed track playing times of the presumed tracks and playing times of [[the]] said plurality of tracks, said inter-track boundaries specifying information including the playing times of [[the]] said plurality of tracks.


4. (Canceled).


5. (Currently Amended) An information processing method of an audio processing apparatus for detecting inter-track boundaries, comprising:

generating, at the audio processing apparatus, noise-eliminated audio data by eliminating noise from audio data generated by digitally converting analog audio signals of a plurality of tracks, the plurality of tracks having inter-track boundaries that are silent;

detecting, at the audio processing apparatus, presumed inter-track boundaries presumed to be said inter-track boundaries of said plurality of tracks, based on ~~first~~ portions of said

noise-eliminated audio data, the ~~first~~ portions having signal levels lower than a predetermined

level threshold value;

specifying, at the audio processing apparatus, said inter-track boundaries from said

presumed inter-track boundaries, based on inter-track boundaries specifying information

including a number ~~of tracks~~ of said plurality of tracks;

judging, at the audio processing apparatus, whether a number of presumed tracks is

less than said number of said plurality of tracks; and

detecting, at the audio processing apparatus, said inter-track boundaries of said

plurality of tracks, based on ~~second portions of said noise-eliminated audio data, when a~~

~~number of presumed tracks is smaller than said number of tracks, the second portions having~~

~~signal levels lower than~~ an other level threshold value greater than said predetermined level

threshold value, when the audio processing apparatus judges that the number of presumed

tracks is less than said number of said plurality of tracks, the presumed tracks being tracks

divided by said presumed inter-track boundaries.


6. (Currently Amended) A computer-readable medium including computer

executable instructions, wherein the instructions, when executed by a processor, cause the

processor to perform a method comprising:

generating noise-eliminated audio data by eliminating noise from audio data

generated by digitally converting analog audio signals of a plurality of tracks, the plurality of

tracks having ~~whose~~ inter-track boundaries that are silent;

detecting presumed inter-track boundaries presumed to be said inter-track boundaries

of said plurality of tracks, based on ~~first~~ portions of said noise-eliminated audio data, the ~~first~~

portions having ~~whose~~ signal levels lower than a predetermined level threshold value;

specifying said inter-track boundaries from said presumed inter-track boundaries,

based on inter-track boundaries specifying information including a number ~~of tracks~~ of said

plurality of tracks;

judging whether a number of presumed tracks is less than said number of said

plurality of tracks; and

detecting said inter-track boundaries of said plurality of tracks, based on ~~second~~

~~portions of said noise-eliminated audio data, when a number of presumed tracks is smaller~~

~~than said number of tracks, the second portions having signal levels lower than~~ an other level

threshold value greater than said predetermined level threshold value, when it is judged that

the number of presumed tracks is less than said number of said plurality of tracks, the

presumed tracks being tracks divided by said presumed inter-track boundaries.


7.  (Currently Amended)  An information processing apparatus for detecting

inter-track boundaries, comprising:

a generation unit configured to generate noise-eliminated audio data by eliminating

noise from audio data generated by digitally converting analog audio signals of a plurality of

tracks, the plurality of tracks having inter-track boundaries that are silent;

a detection unit configured to detect presumed inter-track boundaries presumed to be

said inter-track boundaries of said plurality of tracks, based on ~~first~~ portions of said

noise-eliminated audio data, the ~~first~~ portions having signal levels lower than a predetermined

level threshold value[[,]];

a processor configured to judge whether a number of presumed tracks is less than a

number of said plurality of tracks;

a specifying unit configured to specify said inter-track boundaries from said presumed inter-track boundaries, based on inter-track boundaries specifying information including said number of said plurality of tracks, wherein

the detection unit ~~being~~ is further configured to detect said inter-track boundaries of said plurality of tracks, based on ~~second portions of said noise-eliminated audio data, when a number of presumed tracks is smaller than said number of tracks, the second portions having signal levels lower than~~ an other level threshold value greater than said predetermined level threshold value, when the processor judges that said number of presumed tracks is less than said number of said plurality of tracks, the presumed tracks being tracks divided by said presumed inter-track boundaries~~; and a specifying unit configured to specify said inter-track boundaries from said presumed inter-track boundaries, based on inter-track boundaries specifying information including a number of tracks of said plurality of tracks~~.

8. (Currently Amended) The information processing method according to Claim 5, wherein the specifying includes specifying, as said inter-track boundaries, said presumed inter-track boundaries in between the presumed tracks, the presumed tracks having presumed track playing times longer than a shortest playing time among playing times of [[the]] said plurality of tracks and ~~that~~ shorter than a longest playing time among the playing times of [[the]] said plurality of tracks, said inter-track boundaries specifying information including the shortest playing time and the longest playing time.

9. (Currently Amended) The information processing method according to Claim 5, wherein the specifying includes presuming said presumed inter-track boundaries as said inter-track boundaries based on errors between presumed track playing times of the presumed

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tracks and playing times of [[the]] said plurality of tracks, said inter-track boundaries

specifying information including the playing times of [[the]] said plurality of tracks.


10. (Canceled).


11. (Currently Amended) The computer-readable medium according to Claim 6,

wherein the specifying includes specifying, as said inter-track boundaries, said presumed

inter-track boundaries in between the presumed tracks, the presumed tracks having presumed

track playing times longer than a shortest playing time among playing times of [[the]] said

plurality of tracks and shorter than a longest playing time among the playing times of [[the]]

said plurality of tracks, said inter-track boundaries specifying information including the

shortest playing time and the longest playing time.


12. (Currently Amended) The computer-readable medium according to Claim 6,

wherein the specifying includes presuming said presumed inter-track boundaries as said

inter-track boundaries based on errors between presumed track playing times of the presumed

tracks and playing times of [[the]] said plurality of tracks, said inter-track boundaries

specifying information including the playing times of [[the]] said plurality of tracks.


13. (Canceled).


14. (Currently Amended) The information processing apparatus according to Claim

7, wherein the specifying unit is configured to specify, as said inter-track boundaries, said

presumed inter-track boundaries in between the presumed tracks, the presumed tracks having

presumed track playing times longer than a shortest playing time among playing times of

[[the]] said plurality of tracks and shorter than a longest playing time among the playing

times of [[the]] said plurality of tracks, said inter-track boundaries specifying information

including the shortest playing time and the longest playing time.


15. (Currently Amended) The information processing apparatus according to Claim

7, wherein the specifying unit is configured to presume said presumed inter-track boundaries

as said inter-track boundaries based on errors between presumed track playing times of the

presumed tracks and playing times of [[the]] said plurality of tracks, said inter-track

boundaries specifying information including the playing times of [[the]] said plurality of

tracks.


16. (Canceled).